

FIG. 1

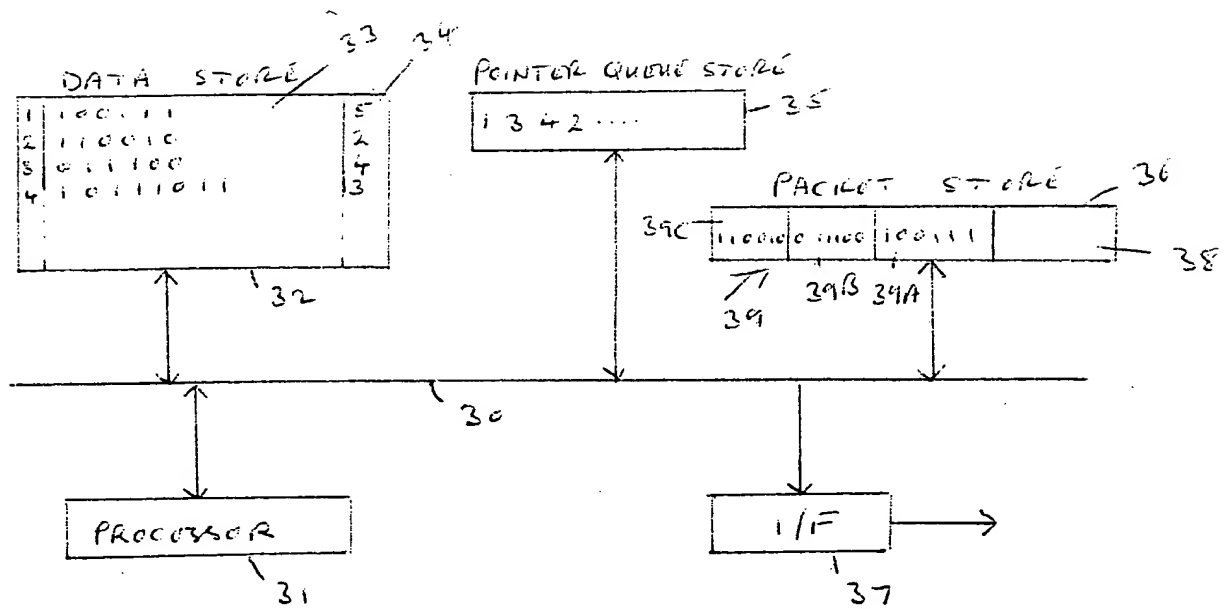


FIG 2

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graph TD
    40[Store data in data store] --> 41[Store address pointer in Pointer Queue Store]
    41 --> 42[Determine if any data needs priority change]
    42 -- Yes --> 43[Change priority and pointer location]
    43 --> 44[Construct Packet]
    42 -- No --> 44
    44 --> 45{Any space left?}
    45 -- Yes --> 46[Load with lower priority data]
    46 --> 45
    45 -- No --> 47[Supply packet for transmission]

```

FIG 3